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(54) METHOD AND DEVICE FOR PREVENTING ICE AND SNOW COATING

(57)Abstract:

PURPOSE: To remove ice and snow efficiently, by a method wherein a spiral rod, accommodating a self-controlled heater in the hollow pipe thereof, is wound into a direction reverse to the twisting direction of an electric wire to thaw and move one part of ice and snow adhered to the electric wire.

CONSTITUTION: A spiral rod S, connected to a current transformer CT attached to an electric wire W, is wound around the electric wire into a direction reverse to the twisting direction of the wire. The spiral rod S accommodates a self-controlled heater, in which electric current is intercepted when a temperature is raised. When the temperature of the electric wire is reduced by ice and snow, electric current is conducted and the ice and snow are thawed whereby a water film is formed between the electric wire W and the ice or the snow. The water film effects as a lubricating agent whereby the ice or the snow is moved and dropped by a gravity. According to this method, the ice and snow may be removed efficiently by a small power consumption with a simple apparatus.



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